

ABSTRACT

5 A secondary battery of a proton conductive polymer,
wherein a positive electrode and a negative electrode are
arranged facing to each other via a separator in an
electrolyte and only a proton or a proton of a hydroxyl group
in an indole trimer and a π conjugated polymer, i.e., an active
material of electrode in the positive electrode and in the
negative electrode participates in a charge/discharge, and
a proton concentration is 5 to 40 % and an anion concentration
10 is 30 to 60 % in the solution, respectively, and the anion
concentration is at least higher than the proton
concentration.

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